

Abstract

The present invention relates to a core-shell particle which has a core, a first shell and, where appropriate,
5 a second shell, where:

- i) the core encompasses, based on its total weight, at least 75.0% by weight of (meth)acrylate repeat units;

- 10 ii) the first shell has a glass transition temperature below 30°C;

- iii) the second shell present where appropriate encompassed, based on its total weight, at least 75.0% by weight of (meth)acrylate repeat units;

- 15 iv) the first shell encompasses, based on its total weight, the following constituents;
 - E) from 92.0 to 98.0% by weight of (meth)acrylate repeat units and
 - F) from 2.0 to 8.0% by weight of styrenic repeat units of the general formula (I)



where the radicals R¹ to R⁶ are defined according
to the Description and the percentages by weight
5 of E) and F) give a total of 100.0% by weight,

v) the radius of the core-shell particle inclusive of
any second shell present, measured by the Coulter
method, is in the range from above 160.0 to 240.0
10 nm.

The present invention further relates to a process for
preparing core-shell particles, to a moulding
composition comprising core-shell particles, and to the
15 use thereof.